PRODUCT DATA SHEET

Product: Anti-Fas Ligand mAb, clone 2C101

Cat. No.: **MC-137 (100 µg)**

Synonyms:
CD95L, APO-1L, CD178, TNFSF 6

Background:
Fas (CD95/APO-1) Ligand (FasL) is a 43 kDa type II membrane protein and member of the tumor necrosis factor family. Human FasL can be released from cells as a 26 kDa soluble protein upon cleavage by metalloproteinases. FasL is expressed on various cells including T cells, NK cells, Monocytes, Sertoli cells and tumor cells. Interaction of FasL with its receptor triggers rapid apoptosis. FasL-induced apoptosis is involved in T cell receptor/anti-CD3 induced cell death, cytotoxic T cell activity, maintainence of immune privilege, immune escape of tumor cells and viral hepatitis. Malfunction of the Fas system causes hyperplasia.

Specificity:
This antibody is specific for the extracellular domain of human Fas Ligand.

Species Reactivity:
Human. Others not tested.

Ig Isotype:
Mouse IgG_1

Immunogen:
Recombinant human FasL (extracellular domain)

Format:
100 µg of 1 mg/mL affinity-purified monoclonal antibody. Prepared in 0.15M PBS, pH 7.2 with protein stabilizer. Purity ≥95% by SDS-PAGE.

Storage:
Store at 4℃. Do not freeze.

Applications and Suggested Dilutions:

- Functional Activity: Inhibits apoptosis in anti-CD3 stimulated Jurkat T-cells (0.5 ~ 5 µg/mL) suitable. Excellent for neutralization.
- Flow cytometry: 1 x 10^6 H9 T-cells stained with 1 µg/mL antibody, followed by biotinylated goat anti-mouse IgG and streptavidin-PE.
- Immunocytochemistry

Suggested starting dilution is >1:100

The optimal dilution for a specific application should be determined by the researcher.

Limitations:
For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:
No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.